

AMENDMENTS

IN THE CLAIMS

Please cancel claims 14 and 15 without prejudice, amend the claims below as shown, and add new claims 16-18.

1. -9. (Canceled)

10. (Currently amended) A therapeutic composition ~~usable~~ for use in tissue repair comprising:

- (a) a biologically compatible implant; and
- (b) a peptide associated with said implant, said peptide having a domain that mimics cell binding by collagen ~~having cell binding which is enhanced with respect to collagen.~~

11. (Previously added) The therapeutic composition of claim 10, wherein said biologically compatible implant comprises a polymeric hydrogel.

12. (Previously added) The therapeutic composition of claim 10, wherein said peptide is selected from Gly-Thr-Pro-Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg-Gly-Val-Val (SEQ ID NO: 1), Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 2), Gln-Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 3), Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 4), Phe-Gly-Ile-Ala-Gly-Phe (SEQ ID NO: 5), Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 6), and Gln-Gly-Ala-Ile-Ala-Gln (SEQ ID NO: 7).

13. (Currently amended) A ~~cartilage repair~~ composition for ~~treatment~~ repair of bone, cartilage, tendons, ligaments, or muscle damage associated with arthritis, comprising a peptide with a domain that mimics the cell binding of collagen, said peptide exhibiting cell binding greater than that of collagen, said peptide being selected from Gly-Thr-Pro-Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg-Gly-Val-Val (SEQ ID NO: 1), Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 2), Gln-Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 3), Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 4), Phe-Gly-Ile-Ala-Gly-Phe (SEQ ID NO: 5), Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 6), and Gln-Gly-Ala-Ile-Ala-Gln (SEQ ID NO: 7).

14.- 15. (Canceled)

16. (New) The composition of claim 13, wherein the composition further comprises a biocompatible carrier.

17. (New) The composition of claim 16, wherein the biocompatible carrier is a hydrogel.

18. (New) The composition of claim 16, wherein the carrier is resorbable.